
Monday, June 28, 2004

8:00 am - 9:00 am

Registration

Palladian Foyer

Welcome and Opening Remarks

9:00 am - 9:30 am

Plenary Session

Palladian Ballroom

Sarah V. Hart

Director

National Institute of Justice

U.S. Department of Justice

Washington, DC

Tools for Challenging DNA Samples

9:30 am - 10:50 am

Plenary Session

Palladian Ballroom

Moderator

Lois A. Tully

Deputy Chief and Program Manager

Investigative and Forensic Sciences Division

Office of Science and Technology

National Institute of Justice

U.S. Department of Justice

Washington, DC

Presenters

9:30 am - 9:50 am

Novel STR Multiplexes with Reduced Size to Analyze Degraded DNA

Bruce R. McCord

Associate Professor

Department of Chemistry and Biochemistry

Ohio University

Athens, OH

9:50 am - 10:10 am

Assessment and In Vitro Repair of Damaged DNA Templates

Jack Ballantyne

Associate Professor
Department of Chemistry
University of Central Florida
Orlando, FL

10:10 am - 10:30 am

Increasing the Predictability and Success Rate of Skeletal Evidence Typing: Using Physical Characteristics of Bone as a Metric for DNA Quality and Quantity

David Foran

Assistant Professor
Forensic Science Program
School of Criminal Justice and Department of Zoology
Michigan State University
East Lansing, MI

10:30 am - 10:50 am

Developing a High-Yield DNA Isolation Method Using Matrix Proteinase for Compromised Skeletal Samples

Richard C. Li

Assistant Professor
Forensic Science Program
College of Criminal Justice
Sam Houston State University
Huntsville, TX

10:50 am - 11:10 am

Break

Palladian Foyer

Tools for Challenging DNA Samples Continued

11:10 am - 12:10 pm

Plenary Session

Palladian Ballroom

Moderator

Patricia Kashtan

Program Management Support Analyst, Lockheed Martin Information Technology
Technology Assistance Division
Office of Science and Technology
National Institute of Justice
U.S. Department of Justice
Washington, DC

Presenters

11:10 am - 11:30 am

Single Nucleotide Polymorphism (SNP) Detection in Highly Degraded DNA

George F. Sensabaugh, Jr.

Professor

Forensic Science and Biomedical Sciences

School of Public Health

University of California, Berkeley

Berkeley, CA

11:30 am - 11:50 am

Application of Mitochondrial DNA SNP Typing to Degraded Forensic Samples

Thomas J. Parsons

Chief Scientist

Armed Forces DNA Identification Laboratory

Rockville, MD

11:50 am - 12:10 pm

Forensic Mitochondrial DNA Analysis and Mixture Separation by Denaturing High-Performance Liquid Chromatography

Phillip B. Danielson

Associate Professor

Department of Biological Sciences

University of Denver

Denver, CO

Discussion and Questions

12:10 pm - 12:30 pm

Palladian Ballroom

12:30 pm - 2:00 pm

Working Lunch

Empire Ballroom

Presenter

Presenting Contested Mitochondrial DNA Evidence in the Courtroom

B. Michael Dann

Visiting Fellow

National Institute of Justice

U.S. Department of Justice

Washington, DC

Practitioner Presentations

2:00 pm - 3:00 pm

Plenary Session

Palladian Ballroom

Moderator

Nick Viggiani

Forensic Policy Analyst, Lockheed Martin Information Technology
Investigative and Forensic Sciences Division
Office of Science and Technology
National Institute of Justice
U.S. Department of Justice
Washington, DC

Presenters

2:00 pm - 2:20 pm

Research in the Crime Laboratory

Eric Buel

Director
Vermont Forensic Laboratory
Waterbury, VT

2:20 pm - 2:40 pm

A Novel Approach to Expediting the Processing for No Suspect Sexual Assault Cases

Debra Figarelli

DNA Technical Manager
Laboratory Services Bureau
Phoenix Police Department
Phoenix, AZ

2:40 pm - 3:00 pm

A Home Invasion-Sexual Assault Unsolved to Solved

Ted Staples

Manager
Forensic Biology Section
Division of Forensic Sciences
Georgia Bureau of Investigation
Decatur, GA

3:00 pm - 3:20 pm

Break

Palladian Foyer

Practitioner Presentations Continued

3:20 pm - 4:20 pm

Plenary Session

Palladian Ballroom

Moderator

Thurston L. Bryant

Research Analyst, Lockheed Martin Information Technology
Investigative and Forensic Sciences Division
Office of Science and Technology
National Institute of Justice
U.S. Department of Justice
Washington, DC

Presenters

3:20 pm - 3:40 pm

Implementation of the No-Suspect Grant in a Small Laboratory

Cecelia A. Crouse

Supervisor
Serology and DNA Section
Palm Beach County Sheriff's Office
West Palm Beach, FL

3:40 pm - 4:00 pm

“Be All You Can Be”: The Outsourcing Advantage

Stephanie Stoiloff

Criminalist II
Crime Laboratory Bureau
Miami-Dade Police Department
Miami, FL

4:00 pm - 4:20 pm

Interpretation of Human DNA Quantification Results from the Applied Biosystem QuantifilerTM Kits and PRISM® 7000 Sequence Detection System

Gary G. Shutler

DNA Technical Leader
Crime Laboratory
Washington State Patrol
Seattle, WA

Discussion and Closing Remarks

4:20 pm - 4:45 pm

Palladian Ballroom

Tuesday, June 29, 2004

8:00 am - 9:00 am

Registration

Palladian Foyer

Opening Remarks

9:00 am - 9:20 am

Plenary Session

Palladian Ballroom

John S. Morgan

Assistant Director for Science and Technology
National Institute of Justice
U.S. Department of Justice
Washington, DC

Innovative Tools for the Crime Laboratory - Presentations

9:20 am - 10:40 am

Plenary Session

Palladian Ballroom

Moderator

Stacia Jackson

Program Assistant, Lockheed Martin Information Technology
Investigative and Forensic Sciences Division
Office of Science and Technology
National Institute of Justice
U.S. Department of Justice
Washington, DC

Presenters

9:20 am - 9:40 am

Development of a High-Throughput Method to Isolate Sperm DNA in Rape Kits

Carll Ladd

Supervising Criminalist
DNA Unit
Connecticut Forensic Science Laboratory
Meriden, CT

9:40 am - 10:00 am

Innovative Hybridization DNA Typing for Forensic Applications

Winston C.H. Chen

Senior Scientist

Life Sciences Division

Oak Ridge National Laboratory

Oak Ridge, TN

10:00 am - 10:20 am

Gene Polymorphism and Human Pigmentation

Murray H. Brilliant

Lindholm Professor of Genetics

Department of Pediatrics

University of Arizona College of Medicine

Tucson, AZ

10:20 am - 10:40 am

A Genetic Database of Y-Chromosome Markers for Forensic Analyses

Michael F. Hammer

Research Scientist

Division of Biotechnology

Arizona Research Laboratories

University of Arizona

Tucson, AZ

10:40 am - 11:00 am

Break

Palladian Foyer

Innovative Tools for the Crime Laboratory - Demonstrations

11:00 am - 11:30 am

Plenary Session

Palladian Ballroom

Presenters

11:00 am - 11:15 am

Overview of Research Demonstrations and Introduction of Presenters

Lois A. Tully

Deputy Chief and Program Manager

Investigative and Forensic Sciences Division

Office of Science and Technology

National Institute of Justice

U.S. Department of Justice

Washington, DC

11:15 am - 11:30 am

Overview of Poster Presentations

John J. Behun

Senior Program Manager
Investigative and Forensic Sciences Division
Office of Science and Technology
National Institute of Justice
U.S. Department of Justice
Washington, DC

Research Demonstrations and DNA Backlog Poster Session

11:30 am - 2:00 pm

Working Lunch

Empire Ballroom

Presenters

A Demonstration of High-Throughput Methods for Reading and Typing LINEAR ARRAY™ Mitochondrial DNA Probe Panels

Cassandra D. Calloway

Co-Investigator
Human Genetics
Roche Molecular Systems
Alameda, CA

The Use of Amplified Fragment Length Polymorphism Analysis (AFLP) for Marijuana (Cannabis sativa) DNA Databasing

Eric Carita

Research Analyst
Division of Scientific Services
Connecticut Forensic Laboratory
Department of Public Safety
Meriden, CT

SpermPaints: Fluorescent Monoclonal Antibody Probes for Sperm Identification

John C. Herr

Professor of Cell Biology and Urology
University of Virginia School of Medicine
Director
Center for Research in Contraceptive and Reproductive Health
Charlottesville, VA

Linda Gilmer

Research Specialist
Cell Biology Division
Health Sciences Center
University of Virginia
Charlottesville, VA

Kenneth L. Klotz

Research Specialist
Department of Anatomy and Cell Biology
University of Virginia
Charlottesville, VA

Demonstration of the GeneTrack DNA Forensics Chip System

Nils Goedecke

Research Scientist
BioMEMS Laboratory
Whitehead Institute
Cambridge, MA

Brian McKenna

Senior Software Engineer
BioMEMS Laboratory
Whitehead Institute
Cambridge, MA

Prototype Polymeric Microfluidic DNA Analysis System for Forensic Analysis

Laurie E. Locascio

Team Leader and Supervisory Biomedical Engineer
Analytical Chemistry Division
Chemical Science and Technology Laboratory
National Institute of Standards and Technology
Gaithersburg, MD

Quantitation of Human DNA in Forensic Samples

Janice A. Nicklas

Forensic Chemist III
Vermont Forensic Laboratory
Department of Public Safety
Waterbury, VT

TrueAllele® System 3: Automated DNA Casework Interpretation

Mark W. Perlin

Chief Executive Officer
Cybergenetics, Inc.
Pittsburgh, PA

A Portable DNA Chip Instrument for Human Identification

Ronald Sosnowski

Research Consultant

Advanced Technology Division

Nanogen, Inc.

San Diego, CA

Quantitation of DNA by qPCR for Forensic DNA Typing: Single and Multiplex Assays for the Nuclear and Mitochondrial Genomes and the Y-Chromosome

Mark Timken

Criminalist

Jan Bashinski DNA Laboratory

California Department of Justice

Richmond, CA

Application of a Single Robotics Platform to the Analysis of DNA in Forensic Samples

Pat W. Wojtkiewicz

Director

Shreveport Laboratory

North Louisiana Crime Laboratory System

Shreveport, LA

NIJ Programs, Funding Opportunities, and the DNA Assessment - Final Report

2:00 pm - 3:30 pm

Plenary Session

Palladian Ballroom

Presenters

2:00 pm – 2:45 pm

What's New-Important Updates about NIJ Funding Opportunities

Investigative and Forensic Sciences Program Managers

National Institute of Justice

U.S. Department of Justice

Washington, DC

2:45 pm – 3:30 pm

2004 Forensic DNA Legislative Update and the “Attorney General’s Report on the DNA Evidence Backlog”

Tim Schellberg

Consultant

Governmental Affairs

Smith Alling Lane

Tacoma, WA

Discussion and Closing Remarks

3:30 pm – 3:45 pm

Palladian Ballroom

Wednesday, June 30, 2004

8:00 am - 9:00 am

Registration

Palladian Ballroom

Opening Remarks

9:00 am - 9:20 am

Plenary Session

Palladian Ballroom

Kevin Lothridge

Acting Chief

Investigative and Forensic Sciences Division

Office of Science and Technology

National Institute of Justice

U.S. Department of Justice

Washington, DC

Services and Support for Practitioners and Researchers

9:20 am - 10:20 am

Plenary Session

Palladian Ballroom

Moderator

Robin Wilson Jones

Contractor, Lockheed Martin Information Technology

Investigative and Forensic Sciences Division

Office of Science and Technology

National Institute of Justice

U.S. Department of Justice

Washington, DC

Presenters

9:20 am - 9:40 am

The Forensic Resource Network

Susan D. Narveson

Program Manager

Technology Assistance Division

Office of Science and Technology

National Institute of Justice

U.S. Department of Justice

Washington, DC

9:40 am - 10:00 am

Commercialization Assistance

F. Wayne Barte

Senior Project Manager

Office of Law Enforcement Technology Commercialization

Wheeling, WV

10:00 am - 10:20 am

Support for Procurement

Kevin Lothridge

Acting Chief

Investigative and Forensic Sciences Division

Office of Science and Technology

National Institute of Justice

U.S. Department of Justice

Washington, DC

10:20 am - 10:50 am

Break

Palladian Ballroom

Building Better Programs

10:50 am - 11:30 am

Plenary Session

Palladian Ballroom

Presenters

The Importance of Practitioners to NIJ's DNA Grant Programs

John J. Behun

Senior Program Manager

Investigative and Forensic Sciences Division

Office of Science and Technology

National Institute of Justice

U.S. Department of Justice

Washington, DC

How Researchers and Practitioners Can Enhance NIJ Programs

Lois A. Tully

Deputy Chief and Program Manager

Investigative and Forensic Sciences Division

Office of Science and Technology

National Institute of Justice

U.S. Department of Justice

Washington, DC

Discussion and Questions

11:30 am - 11:50 am

Palladian Ballroom

Ask the Vendors

11:50 am - 1:20 pm

Working Lunch

Empire Ballroom

Moderators

Steve Niezgoda

Contractor, Lockheed Martin Information Technology
Convicted Offender DNA Backlog Reduction Program
Investigative and Forensic Sciences Division
National Institute of Justice
U.S. Department of Justice
Washington, DC

Amanda C. Sozer

Contractor, Lockheed Martin Information Technology
Convicted Offender DNA Backlog Reduction Program
Investigative and Forensic Sciences Division
National Institute of Justice
U.S. Department of Justice
Washington, DC

Presenters

Gay Bush

Laboratory Director
Identity Genetics, Inc.
Brookings, SD

Trey Campbell

Product Manager
Forensic Services Division
Myriad Genetic Laboratories
Salt Lake City, UT

Charles M. Kelly

CODIS Director
Fairfax Identity Laboratories
Fairfax, VA

Randy Nagy
Vice President
Marketing and Sales
The Bode Technology Group, Inc.
Springfield, VA

Mark Stolorow
Executive Director
Orchid Cellmark
Germantown, MD

Jonathan S. Tabak
Forensic Marketing Director
Reliagene Technologies, Inc.
New Orleans, LA

Programs of NIST and the FBI

1:20 pm - 2:20 pm

Plenary Session

Palladian Ballroom

Moderator

Melissa Taylor
Program Assistant, Lockheed Martin Information Technology
Investigative and Forensic Sciences Division
Office of Science and Technology
National Institute of Justice
U.S. Department of Justice
Washington, DC

Presenters

1:20 pm - 1:40 pm

New Assays for Improved Analysis of Degraded DNA and an Overview of the 2004 Interlaboratory Quantitation Study

John M. Butler
Research Chemist
DNA Technologies Group and Biotechnology Division
Chemical Science and Technology Laboratory
National Institute of Standards and Technology
Gaithersburg, MD

Margaret C. Kline
Research Biologist
DNA Technologies Group and Biotechnology Division
Chemical Science and Technology Laboratory
National Institute of Standards and Technology
Gaithersburg, MD

Peter M. Vallone
Research Scientist
DNA Technologies Group and Biotechnology Division
Chemical Science and Technology Laboratory
National Institute of Standards and Technology
Gaithersburg, MD

1:40 pm - 2:00 pm

R&D at the Counterterrorism and Forensic Science Research Unit of the FBI

Kerri Dugan
Research Biologist
Counterterrorism and Forensic Science Research Unit
Federal Bureau of Investigation
Quantico, VA

2:00 pm - 2:20 pm

An Update of CODIS and NDIS

Thomas F. Callaghan
Chief
CODIS Unit
Federal Bureau of Investigation
Quantico, VA

Discussion and Closing Remarks

2:20 pm - 3:00 pm

Palladian Ballroom